

C L A I M S

1. A radio communication apparatus comprising:
a reception history table configured to store
information-identification identifying received
5 information; and
a controller configured to prevent information
from being received of which information-identification
is stored in said reception history table.
2. The apparatus according to claim 1, wherein
10 said reception history table stores apparatus-
identification identifying the other apparatus
which transmits information to be received and
category-identification identifying a category of
the information to be received; and
15 said controller comprises:
a radio link connection unit configured to
establish a radio link to the other apparatus;
a receiver configured to receive the
apparatus-identification of the other apparatus and the
20 information-identification of the information to be
received;
a comparator configured to determine whether
the received apparatus-identification and received
information-identification are stored in said reception
25 history table; and
a radio link disconnection unit configured to
disconnect the radio link if it is determined that

the received apparatus-identification and received information-identification are stored in said reception history table.

3. The apparatus according to claim 2, wherein
5 said controller further comprises:

an information receiver configured to receive the information from the other apparatus if it is determined that the received apparatus-identification and received information-identification are not stored
10 in said reception history table; and

a table update unit configured to register the received apparatus-identification and received information-identification in said reception history table.

15 4. The apparatus according to claim 1, wherein said reception history table stores date-information of the received information; and

said controller comprises:

a radio link connection unit configured to
20 establish a radio link to the other apparatus;

a receiver configured to receive the date-information of the information to be transmitted by the other apparatus;

a comparator configured to compare the
25 received date-information and the date-information stored in said reception history table; and

a radio link disconnection unit configured

to disconnect the radio link if the received date-information equals to the date-information stored in said reception history table.

5 5. The apparatus according to claim 4, wherein
said controller further comprises:

an information receiver configured to receive the information from the other apparatus if the received date-information does not equal to the date-information stored in said reception history table; and

10 a table update unit configured to register the
date-information of the received information in said
reception history table.

6. A radio communication method comprising:
establishing a radio link to another apparatus;
15 receiving information-identification identifying
information to be received;

determining whether the received information-
identification is stored in a reception history table
which stores the information-identification identifying
received information; and

disconnecting the radio link if it is determined that the received information-identification is stored in said reception history table.

7. The method according to claim 6, further
25 comprising:

receiving the information from the other
apparatus if it is determined that the received

information-identification is not stored in said reception history table; and

registering the information-identification of the received information in said reception history table.

5 8. The method according to claim 6, wherein said information-identification comprises apparatus-identification identifying the other apparatus and category-identification identifying a category of information.

10 9. The method according to claim 6, wherein said information-identification comprises date-information.

10. A radio communication apparatus comprising:

15 a transmission history table configured to store information-identification identifying transmitted information; and

 a controller configured to prevent information from being transmitted of which information-identification is stored in said transmission history table.

20 11. The apparatus according to claim 10, wherein said transmission history table stores apparatus-identification identifying the other apparatus to which the information was transmitted and category-identification identifying a category of the transmitted information; and

25 said controller comprises:

 a radio link connection unit configured to

establish a radio link to the other apparatus;

a receiver configured to receive the
apparatus-identification of the other apparatus and the
category-identification identifying a category of the
information which was received by the other apparatus;

a comparator configured to determine whether
the received apparatus-identification and the category-
identification are stored in said transmission history
table; and

a radio link disconnection unit configured
to disconnect the radio link if it is determined that
the received apparatus-identification and received
category-identification are stored in said transmission
history table.

12. The apparatus according to claim 11, wherein
said controller further comprises:

an information transmitter configured to transmit
the information to the other apparatus if it is
determined that the received apparatus-identification
and received category-identification are not stored in
said transmission history table; and

a table update unit configured to register the
apparatus-identification of the other apparatus and
category-identification of the transmitted information
in said transmission history table.

13. A radio communication method comprising:

establishing a radio link to another apparatus;

determining whether the received information-
identification is stored in a transmission history

disconnecting the radio link if it is determined that the received information-identification is stored in said transmission history table.

transmitting the information to the other apparatus if it is determined that the received information-identification is not stored in said transmission history table; and

20 15. The method according to claim 13, wherein
said information-identification comprises apparatus-
identification identifying the other apparatus and
category-identification identifying a category of
information.

transmitter units, each of which configured to transmit information; and

receiver units, each of which configured to receive the information transmitted from one of said transmitter units,

5 wherein at least one of said transmitter units and said receiver units comprise:

an information management table configured to store information-identification identifying information which has been transmitted from one of said transmitter units to one of said receiver units, transmitter-identification identifying one of the 10 transmitters which has transmitted the information, and receiver-identification identifying one of the receiver which has received the information; and

15 a controller configured to prevent the same information from being received by the same receiver.

17. The system according to claim 16, wherein said transmitter units and said receiver units are connected by a radio link based on Bluetooth protocol.